

IP Power 9258 WiFi

User Manual



Firmware Version: 1.1
Date Released: 10/08/2009

Warning: Any changes made to this equipment without permission may cause damages to the device!

IMPORTANT NOTICE

1. IP Power 9258 WiFi was designed for indoor use, we carry no responsibility for possible damages caused by outdoor use, especially in the rain.
2. Please use the power adapter provided by the dealer, we carry no responsibility for the possible damage from using power adapters not .
4. Do not shake the IP Power 9258 WiFi in any fashion
5. Please contact the dealer If IP Power 9258 WiFi is not working properly.

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1.) Welcome

Introduction

The IP Power 9258 WiFi is a state of the art Power Distribution Unit (PDU) & Remote Power Control (RPC) system. With its ability to connect to the WiFi network, this device can be placed anywhere and in anyplace. The various applications of the 9258 WiFi includes: **Power Management, Server Management, Internet Controllable Timer, System Integration, Remote Power Control in Remote locations, & etc.**

The 9258 WiFi allows you to control up to 4 separate devices via the internet wirelessly. By using a web browser, you can remotely control the power to your devices from virtually anywhere.



Minimum System Requirements

CPU Minimum Requirements

CPU Processor: The same as or above a Intel Pentium III or AMD Athalon

Operating Systems: WINDOWS Operating Systems (IE5.0+SPI) & LINUX

Memory Requirements 64MB or More

Supports Direct Draw Graphics Card

RJ45 LAN & Internet HUB & Switch

Internet (For remote access) or Ethernet Network (Internal Network use) with some type of Internet connection, (i.e. ADSL, Cable, Dial up or any other forms of Internet service)

2.) Product Overview

Features

1. Control the On, Off, Reboot of up to 4 different power sources.
2. WiFi Connectivity for Wireless 802.11 b/g
3. Built in Web Server Design, directly access Power Control from webpage.
4. Power scheduler and built in internal clock to enable daily, weekly, and monthly Power cycles
5. Auto Ping (Watch dog) capability to monitor devices
6. Self Auto Ping - Monitors 9258 WiFi to make sure device is working properly.
7. IP Service - Search utility, to easy to find your IP Power on internet hassle free.
8. Http Command generator for integration
9. E-mail functionality for notifying user.
10. Log capabilities to store device information and usage.
11. Hardware Watchdog design to make sure devices are working properly
12. IP Blacklist capability to block unwanted IP Address.
13. CNT Technology – For quick and Easy setup, just plug and play
14. Each outlet name can be assigned by user and memorized on webpage.
15. Support HTTP CGI commands / Telnet Commands / RS232 inter control for easy for system integration
16. IP Service: Easily Find your device on the internet without having to remember complicated IP's
17. Password Base64 encryption for internet protection.
18. Supports UPNP (Universal Plug & Play)

Specification

- 1.) Total Input power up to 15A/110V or 10A/240V
- 2.) Each Output: 6A/110V or 6A/240V
- 3.) Dimensions: 260 x 115 x 43 (L x W x H)
- 4.) Weight: 0.96kg

Package Contents		
1.) 9258 WiFi Unit x 1		
2.) 9258 WiFi Installation CD		
3. WiFi Antenna		
4.) RJ45 Cable x 1 (Optional)		
5.) Input Power Cable (Optional)		

3.) Interface Description

Front View

Front View



RS232 Serial Port



Reset Button:

To reset to original manufacture settings, hold down the reset button with a pen or a pin for 10



Restart Button:

The restart button just resets the device by turning off and then turning on the power.



Power Status Indicator:

The Power Status Indicator



Link:

The Link Indicator shows the transmission status of the device



Rear View

Rear View



Rear View

4 Output Power Ports:

Connect up to 4 separate devices that will be controlled by the 9258 WiFi. Ports 1-4



1 Input Power Ports:

The input power sends power to the 9258 Wifi.



1 Power Switch:

The 2 Power switch turns on the input power
Ports 1-4: Switch 1
Ports 5-8 Switch 2



Fuse System: To prevent electrical surges from damaging the unit. The 9258 Wifi comes with 1 spare in the unit..

TYPE : U/C GFE 10A 250V (PF)



4.) Hardware Setup

- 1.) Connect the IP Power 9258 WiFi to a HUB or Router with a RJ45 network cable.
- 2.) Connect the HUB or Router to the internet (May through ADSL/XDSL modem).
- 3.) Connect the power adapter to the IP Power 9258 WiFi.
- 4.) Connect the power adapters of under control electric equipment to corresponding out port of IP Power 9258-Pro.

Turn on your computer and the power adapter of IP Power 9258-Pro

* For **220-250V**, please use power cable that can support 10A current.
Max. output current: (total of each four outlets) 10A, (each outlet) 6A.

* For **100-120V**, please use **power cable that can support 15A current**.
Max. Output current: (total of each four outlets) 15A, (each outlet) 6A

5.) Software Setup

The **Media Link - IP Family CD** that came with the device will have all the necessary software to run and setup the device.

IP Power Software:

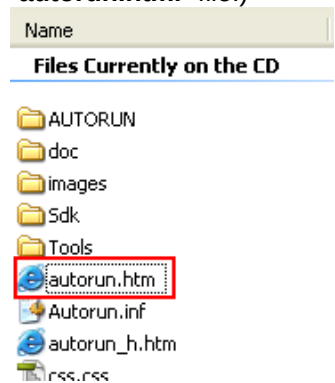
IP Edit (Required)

IP Power Center

Installing IP Power Software

1.) Place the **Media Link-IP Family CD** into the CD/DVD Rom drive.

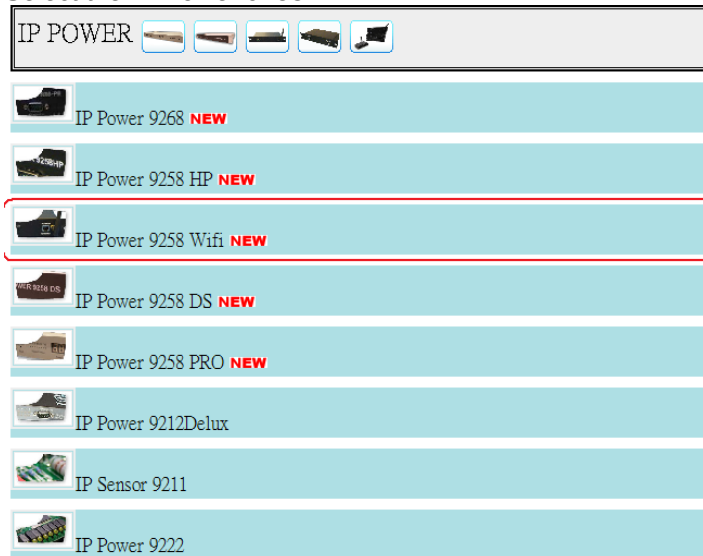
(The CD should auto run but if it does not go to the CD/DVD Rom drive and select the "autorun.html" file.)



2.) Click on the IP Power Section Bar



3.) Select the IP Power 9258 WiFi



4.) All the downloads available for the 9258 WiFi will be available



5.) Download all required software – **IP Edit** by clicking on the download button.

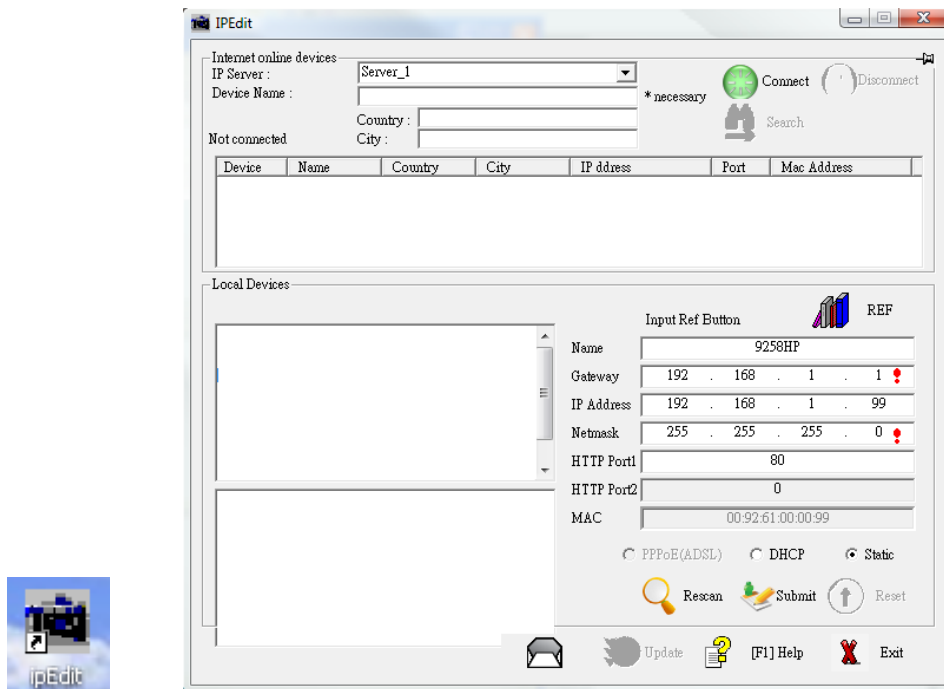
Using IP Edit

IP Edit is a search tool designed to help setup and access the 9258 WiFi.

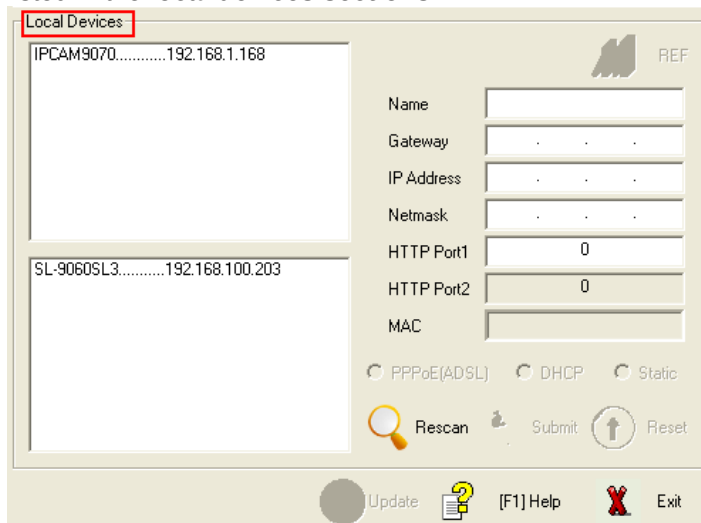
With IP Service feature included the device can easily be found without having to remember long complicated IP addresses. Instead, this technology allows the user to use a name method to find his or her device through the internet.

Please make sure you have the most updated version of IPedit. Contact your distributor to provide you with the newest updated IPedit.

- 1.) After correctly installing the IPedit software, double click on the IPedit icon to run the program.



- 2.) Open IPEdit and any device in the same network should automatically be detected and listed in the **local devices** sections.



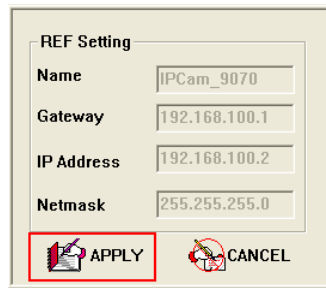
3.) Setup the Device:

Note: (If the device is not on the same network as the computer being used it cannot be accessed)

a. Quick Easy Setup (Recommended)



- 1.) Click on the REF button in IPEdit, and wait a few seconds. This will detect the network settings and setup the device automatically.
- 2.) Once settings have been detected hit the apply button to apply the new settings.

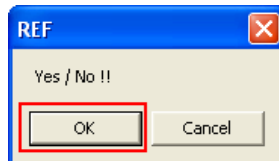


REF Setting

Name	IPCam_9070
Gateway	192.168.100.1
IP Address	192.168.100.2
Netmask	255.255.255.0

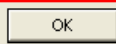
 APPLY  CANCEL

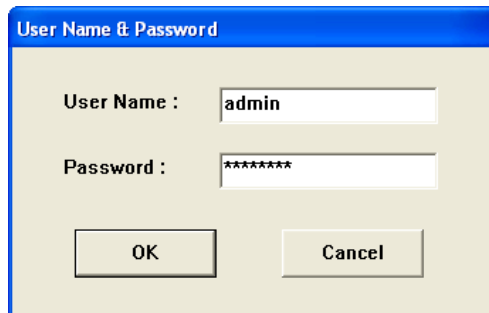
- 3.) Hit yes to confirm and Enter the login and password for the Device to Approve changes



REF

Yes / No !!

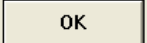
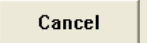
 OK 



User Name & Password

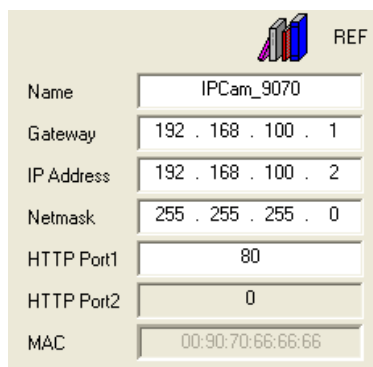
User Name : admin

Password : *****

 OK 

Default Login: admin
Password: <blank>

- 4.) Give the device 1 minute then hit the rescan button on IPEdit to confirm the changes have been made.



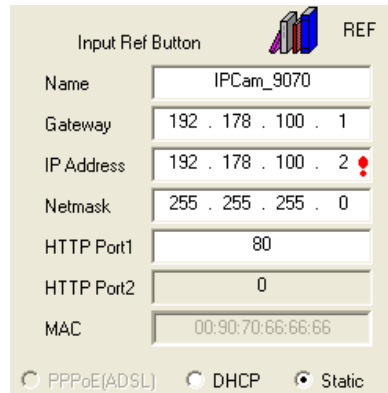
REF

Name	IPCam_9070
Gateway	192 . 168 . 100 . 1
IP Address	192 . 168 . 100 . 2
Netmask	255 . 255 . 255 . 0
HTTP Port1	80
HTTP Port2	0
MAC	00:90:70:66:66:66

b. Custom Setup (Advance Users)

- 1.) Highlight the device on the local devices section and on the right side of IPEdit all network information on the device will be displayed.

If the device is not on the same network a Red Exclamation mark  will appear in the IP Network information section

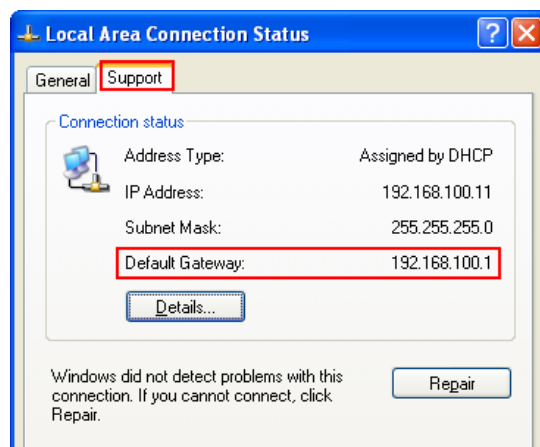


Input Ref Button	
Name	IPCam_9070
Gateway	192 . 178 . 100 . 1
IP Address	192 . 178 . 100 . 2 
Netmask	255 . 255 . 255 . 0
HTTP Port1	80
HTTP Port2	0
MAC	00:90:70:66:66:66

☐ PPPoE(ADSL) ☐ DHCP ☒ Static

2.) To setup the device, type in the correct **Gateway** and **IP Address**.
The gateway address:

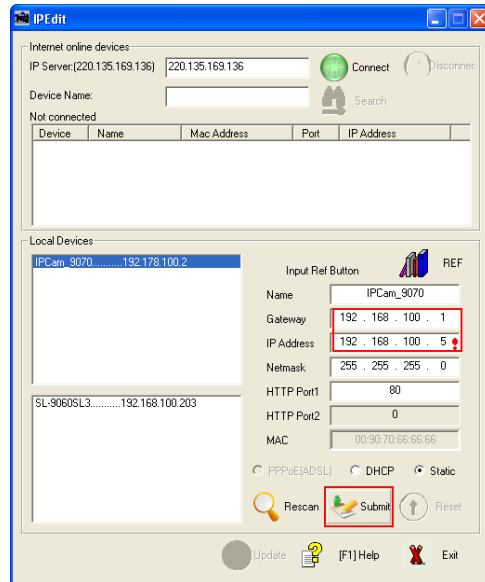
Gateway Address: The gateway address can be obtained in Windows under the network connections page



IP Address: Make sure the first 3 sections of the IP Address matches the gateway address.

Example: Gateway Address – 192.168.1.1 IP Address – 192.168.1.xxx

3.) Once the Default Gateway information has been obtained, enter the correct information into IPedit and hit the submit button.



- 4.) Then hit the rescan button on IPEdit to confirm the changes have been made

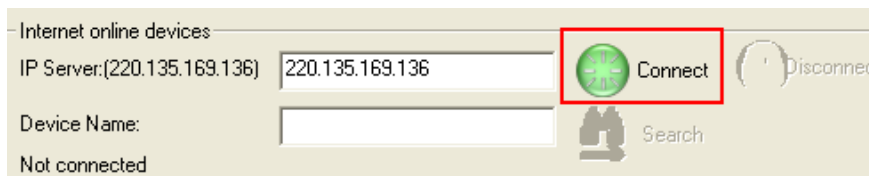
IP Service

How to use IP Service on IPEdit:

IP service allows the user to directly connect to his / her device through the internet without having to remember long confusing IP Address. Instead with this IP Service Technology, the user only has to remember the name of the device that the user has selected. Then the user can connect to IP Service, type in the device name, and connect directly to the device.

First if you have de-activated IP Service on your device make sure you re-enable it. (Refer to your manual if you have questions on How to activate IP Service)

- 1.) Open IPEdit, the device will show up in the Local Device Section. If you have not selected a name for the device, please refer to the section on the manual labeled: "Naming your device".
- 2.) To start IP Service, Hit the green connect button on the top of IPEdit.



- 3.) Once you have been connected search for your device by typing in at least the first 3 letters that you named your device with. Then hit the search button.
- 4.) Double click on your device and a Internet Explorer window will appear connecting directly to your device.

***Remember:** It is crucial to have the IP Address of the device port forwarded from the router that you are using so you can connect to your device from anywhere. Please refer to your routers user manual on how to port forward your device.

6.) Hardware Interface

Reset

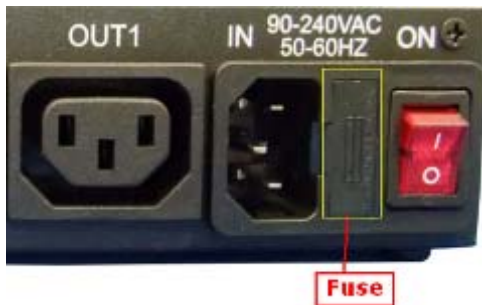
To Reset the device back to manufacturer default, use a small pen or pin and press the reset button firmly and hold for a minimum of 10 seconds. Once you hear a “beep” sound the device will be reset.

Restart

To Restart the device, use a small pen or pin then press and release the restart button. The device will automatically restart.

How to Replace Fuse

1.) The fuse is located between the power switch and the power input plugs.

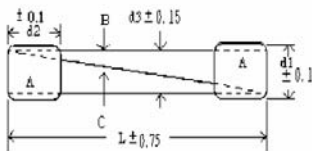


2.) Carefully remove the fuse holder with a flat screwdriver.



3.) The fuse can be purchased at most electrical stores

Model: U/C GFE 10A 250V (PF)



7.) Web Interface

Connection to your Device

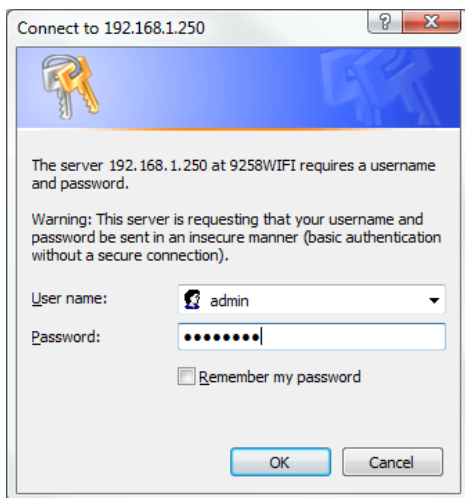
Once the 9258 WiFi has been setup correctly, log into the device.

First Option

- 1.) Go to IPedit find the device that is being used
- 2.) Double click on the device link and a IE window will appear with the loading screen

Second Option

- 1.) Open Internet Explorer type in the IP Address of the device followed by the : sign.
For example: http:192.168.122.188:9258
192.168.122.188 – IP Address
9268 – Port
- 2.) Once you have typed in the address the 9258HP is ready to use.



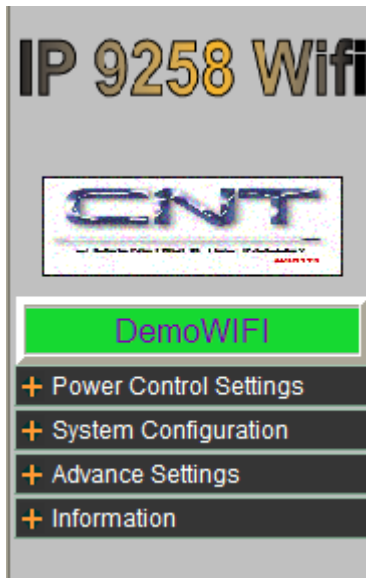
The default password for the 9258 WiFi

Login: admin

Password: <blank>

The Control Console

The Right Panel of the Web Interface controls the functionality and setup of the IP Power 9258 WiFi.



The IP Power 9258 Wifi Console consists of four main sections which will be explained in details below.

Power Control Settings:

- Power Controls
- Scheduler
- Ping

System Configuration:

- User Management
- Change Password
- Network Settings
- Wireless Settings
- PPPOE Settings
- Date & Time

Advance Settings

- Maintenance
- DDNS
- IP Server & CNT
- E-mail Settings
- Black List

Information

- System
- Log
- Http Commands
- XML Information

Power Control Settings

The Power Configuration Section allows you to directly control the outlets of the 9258 WiFi as well as schedule daily, weekly, and monthly power cycles.

Power Control Configuration

POWER CONTROL

SCHEDULE

Basic Configuration

Advance Configuration

Information

Power Controls

The Power Controls page allows you to control the power

Power Control

Power No.	Name	Control	Timer	Alarm	Status
			min : sec		
Power1	[power-1]	☐ On ☒ Off	0 : 0 ☐ On ☒ Off	☒ E-Mail ☐ Beep	OFF
Power2	[power-2]	☐ On ☒ Off	0 : 0 ☐ On ☒ Off	☒ E-Mail ☐ Beep	OFF
Power3	[power-3]	☐ On ☒ Off	0 : 0 ☐ On ☒ Off	☒ E-Mail ☐ Beep	OFF
Power4	[power-4]	☐ On ☒ Off	0 : 0 ☐ On ☒ Off	☒ E-Mail ☐ Beep	OFF
TransmitCancelDemo Start					

System Startup Power Default Value:

☒ Enable ☐ Disable(Last Setting)

Power1	Power2	Power3	Power4
☐ On ☒ Off	☐ On ☒ Off	☐ On ☒ Off	☐ On ☒ Off
System Startup Beeper ☒ Enable ☐ Disable			
Submit			

Power Control Rename

Device Name	Power1	Power2	Power3	Power4
Rename				

Power Control

Power No: This section shows the outlet of the output that you would like to control

Name: If the output has been named the name that you have chosen will show up here

Controls: The control section will allow you to **turn on** or **turn off** the outlet

Timer: The timer allows you to

Alarm: The alarm section allows the 9258 WiFi to notify you when an outlet has been turned on or off. There are two ways that you can be notified either by E-mail or by a beeping sound.

Status: The status function will show you whether the power is on or off.

ON

OFF

System Startup Power Default Value

System Startup Power Default Value:

☒ Enable ☐ Disable(Last Setting)

Power1	Power2	Power3	Power4
☐ On ☒ Off	☐ On ☒ Off	☐ On ☒ Off	☐ On ☒ Off
System Startup Beeper ☒ Enable ☐ Disable			
Submit			

The system Power Default Value allows you to set the power ports on **on** or **off** when the device has been turned on. For example if you would the 9258 WiFi to have the power ports on **on** you can

Power Control Rename

Changing the Name of your Device

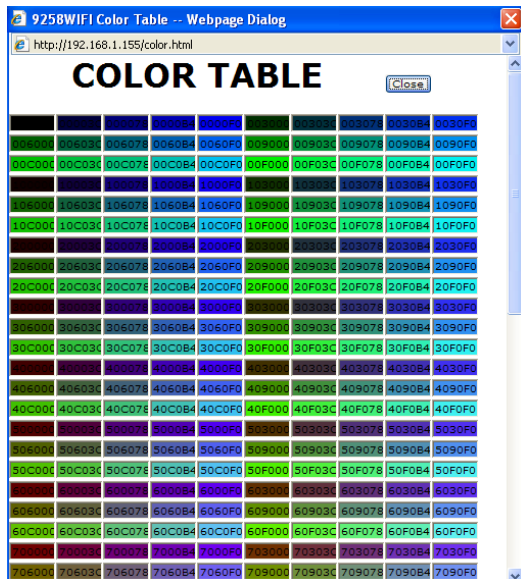
Power Control Rename

Device Name	Power1	Power2	Power3	Power4

Device Name: Allows you to name the 9258 Wifi device. Type in the desired name for the device and hit the rename button

Power 1-4: To rename each outlet, type in the desired name and hit the rename button.

Changing the Color



For easier identification purposes you can also change the color of each device. Just hit the square located to the right of the naming section and a color table window will appear. Select the color of choice and hit the close button.

Scheduler

Scheduler

Page: 1

No.	Start Date	End Date	Time	Device Name	Command

Delete All Prev Page Next Page Pages : 1, Records : 0

Schedule Settings

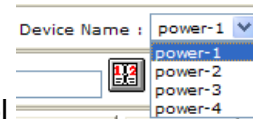
No : 001	Device Name : test1	Command : On	Mode : Date
Date : From	To	Time : 14	27
Add Remove		Submit Cancel	

The scheduler allows you to power devices or turn them off on a scheduled time or basis.

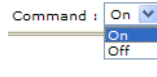
Adding a scheduled event

- 1.) Add a new scheduled event start by clicking the Addition button

2.) Select the Device Name that you would like to control



3.) Select the Command



Select a mode:

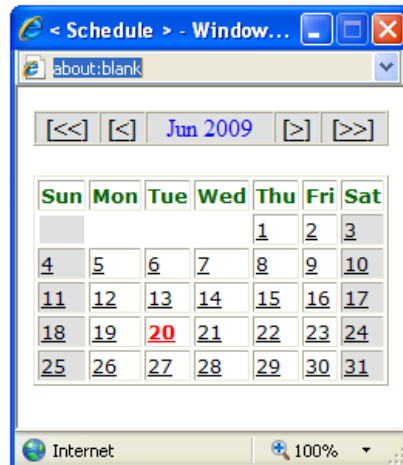
Date: Select a specific date range where the device will repeat the desired actions during the time specified.



a.) Select the date From with you would like the action to be activated



b.) Click on the calendar picture  to select a **From date** and a **To date**:



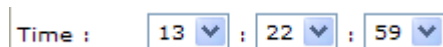
Weekly: The weekly mode allows the device to repeat the cycle on a weekly basis.



a.) Select the From Date and then select the To Date



b.) Enter the time that you would like the action to be activated



- 4.) One the scheduler has been setup hit the submit button and you will see your device located on the top of the screen.

Removing a Scheduled Event

Scheduler

Page: 1

No.	Start Date	End Date	Time	Device Name	Command
001	2009/01/20	2009/01/23	15:35:10	test1	On
002	Sun	Sat	15:35:43	test1	On
003	Sun	Sun	15:36:08	test1	On
004	Fri	Fri	15:44:04	test3	On

1.)

Delete All Prev Page Next Page Pages : 1, Records : 4

Schedule Settings

No : 004 Device Name : test3 Command : On Mode : Weekly

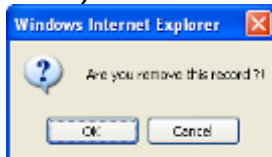
Week : From Fri To Fri Time : 15 : 44 : 04

Add Remove 2.) Submit Cancel

- 1.) To remove a Scheduled event click on event that you would like to remove.

- 2.) It the remove button.

- 3.) Reconfirm the remove



Editing a Scheduled Event

Scheduler

Page: 1

No.	Start Date	End Date	Time	Device Name	Command
001	2009/01/20	2009/01/23	15:35:10	test1	On
002	Sun	Sat	15:35:43	test1	On
003	Sun	Sun	15:36:08	test1	On
004	Fri	Fri	15:44:04	test3	On

1.)

Delete All Prev Page Next Page Pages : 1, Records : 4

Schedule Settings

No : 004 Device Name : test3 Command : On Mode : Weekly

Week : From Fri To Fri 2.) Time : 15 : 44 : 04

Add Remove 3.) Submit Cancel

- 1.) To edit a scheduled event, click on the even that you would like to edit
- 2.) Edit the settings.
- 3.) Then hit the submit button for confirmation.

Ping

The Ping Function on the 9258 Wifi allows the device to Ping other devices to make sure there is connectivity. If the device is not responding to the ping signals sent by the 9258 Wifi, the 9258 Wifi will automatically respond by turning the device On, Off, or resetting the device.

Ping Setting

Name	Enable/Disable	Host Name/IP Address	Ping Failures
[test1]	☐ Enable ☒ Disable		3
Action		☐ On ☒ Off ☐ Reset Continue min. 0 sec.	
[test2]	☐ Enable ☒ Disable		3
Action		☐ On ☒ Off ☐ Reset Continue min. 0 sec.	
[test3]	☐ Enable ☒ Disable		3
Action		☐ On ☒ Off ☐ Reset Continue min. 0 sec.	
[test4]	☐ Enable ☒ Disable		3
Action		☐ On ☒ Off ☐ Reset Continue min. 0 sec.	

Auto Self Pinger	
Enable/Disable	☐ Enable ☒ Disable
Submit	

The Ping Settings consist of:

Name: This section shows the name of the device

Enable / Disable: This section allows you to disable or enable the ping function

Host Name / IP Address: Enter the host name or the IP Address of the device or computer that you need to ping.

Ping Failures: This is the number of Ping failures to occur simultaneous before the 9258 Wifi activates the selection action

Action: This section allows the user to set the action of the 9258Wifi when

Action
☐ On ☒ Off ☐ Reset Continue min. 0 sec.

Auto Self Pinger: The auto self pinger is a watchdog function for the 9258 Wifi. If enabled the device will try to ping itself to make sure the device is working properly. If no response is reached then it will automatically restart itself .

Auto Self Pinger	
Enable/Disable	☐ Enable ☒ Disable
Submit	

System Configuration

User Management

User Management

User List

User Name	User Group
admin	Administrator
demowifi	Administrator

Anonymous User Settings

Enable anonymous viewer login (no user name or password required) Yes ☐ No ☒

Maximum number of simultaneous users limited to: (Maximum value:20)

The User Management section allows you to create users that will be able to access your device. There are two main types of users:

Administrator: The Administrator has the authority to create other users, remove users, and control the device.

Guest: The guest only has the ability to view & operate the device. Any other function will be disabled.

Adding a User

- 1.) Click on the add button and a add user screen will appear below

Add New User

User name:

Password:

Confirm password:

User group:

☒ User
☐ Administrator

- 2.) Type in Username, Password, Confirmation Password and select the User Group.
- 3.) Then click the save button to add the new user.

The maximum number of users that can be created is 20

Removing a User

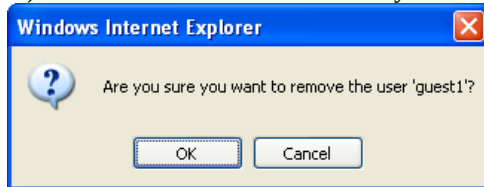
- 1.) Highlight the user that you would like to remove.

User Management

User List

User Name	User Group
admin	Administrator
quest	Administrator
quest1	User

- 2.) Then hit the remove button to remove the unwanted user.
- 3.) You will be asked to reconfirm your remove action. Click ok to continue



Anonymous User Settings

Anonymous User Settings

Enable anonymous viewer login (no user name or password required) Yes ☐ No ☒

Maximum number of simultaneous users limited to: (Maximum value:20)

Using the Anonymous user settings allows anyone to enter the device and change the settings. By default this setting is set to Disable

Change Password

Change Password

Change Password

User name:

Password:

Confirm password:

The change password page allows you to change your password for the 9258 WiFi. You must login as the administrator to change the password for the device.

- 1.) Just type in a new password and reconfirm the password
- 2.) Hit the save button and the 9258 Wifi will ask you to re-enter the new password.

Network Settings

Networking

IP Address Configuration

☐ Obtain IP address via DHCP [View](#)

DHCP try time (Range 0 ~180 sec) : sec

☒ Use the following IP address:

IP address:

Subnet mask:

Default router:

DNS Configuration

☐ Obtain DNS server address via DHCP [View](#)

☒ Use the following DNS server address:

Primary DNS server:

Secondary DNS server:

HTTP

HTTP port:

DHCP Clone Mac

Yes ☐ No ☒ - - - - -

[Save](#)

[Reset](#)

IP Address Configuration

Networking

IP Address Configuration

☐ Obtain IP address via DHCP [View](#)

DHCP try time (Range 0 ~180 sec) : sec

☒ Use the following IP address:

IP address:

Subnet mask:

Default router:

Obtain IP address via DHCP: This allows the 9258 WiFi to automatically obtain a IP Address from the server. *Recommended for non-advance users.*

Use the following IP address: You can also enter the IP Address information manually by selecting this setting. *For advance user.*

DNS Configuration

DNS Configuration

☐ Obtain DNS server address via DHCP View

☒ Use the following DNS server address:

Primary DNS server:

168.95.1.1

Secondary DNS server:

Obtain DNS server address via DHCP: This allows the 9258 WiFi to automatically obtain a IP Address from the server. Recommended for non-advance users.

Use the following DNS server address: You can also enter the IP Address information manually by selecting this setting. For advance user.

HTTP Port

HTTP

HTTP port:

59

Http port: Enter the port of 9258 WiFi here in this section.

Note: You will need to port forward your device to this port on your router in order for the device to be able to be accessed from outside of the network

DHCP Clone MAC

DHCP Clone Mac

Yes ☐ No ☒

00

-

00

-

00

-

00

-

00

-

00

Save

Reset

The clone Mac section allows you to clone a Mac address. This setting is usually used when a Mac address is blocked by the ISP. By cloning a Mac the device can still be accessed through the internet.

Wireless Settings

Wireless Settings

Basic Configuration	
Operation Mode:	Infra
Wireless Type:	802.11b/g mixed mode
Country Region:	FCC
Channel:	10
TX Rate:	Auto
SSID:	BLW-54MF
Ad-Hoc Mode:	802.11b 11Mbps Only
B/G Protect:	Always Off
TX Preamble:	Auto
TX Burst:	Yes ☐ No ☒
Turbo Rate:	Yes ☐ No ☒
Short Slot:	Yes ☐ No ☒
Security Settings	
Authorization Type:	Open System
Encryption Type:	WEP
Default Key ID:	1
WEP Key ID 1:	Hex-10 or 26 characters 0229592092
WEP Key ID 2:	Hex-10 or 26 characters
WEP Key ID 3:	Hex-10 or 26 characters
WEP Key ID 4:	Hex-10 or 26 characters
Save & Reboot Reset	

The wireless settings area allows you to setup the wireless capabilities of your device. This section is composed of two basic areas

Basic Configuration

Operation Mode: Allows you to pick from 2 types of wireless setups, Infrastructure or Ad Hoc

Infra
Ad-Hoc

Mode.

Wireless Type: Select the type of wireless connection being used. The 9258 WiFi only supports

802.11b/g mixed mode
802.11b/g mixed mode
802.11b only

Wireless B or G.

FCC
FCC
IC (Canada)
ETSI
SPAIN
FRANCE
MKK
MKK1 (TELEC)
ISRAEL

Country Region: Country region refers to the Region you are from.

Channel: Determines the channel that the device is located

TX Rate: Speed of Wireless Connection.

Auto ▼

- Auto
- 1 Mbps
- 2 Mbps
- 5.5 Mbps
- 11 Mbps
- 6 Mbps
- 9 Mbps
- 12 Mbps
- 18 Mbps
- 24 Mbps
- 36 Mbps
- 48 Mbps
- 54 Mbps

SSID: Type in the ID of the wireless network

Ad-Hoc Mode: Wireless mode for Ad-Hoc

802.11b 11Mbps Only ▼

- 802.11b 11Mbps Only
- 802.11g 54Mbps

B/G Protect: A mechanism that enables B/G coexistence

TX Preamble: Preamble allows automatic detection of the preamble setting received

TX Burst: Increases the wireless throughput

Turbo Rate: High speed transmission

Short Slot: The amount of time a device waits after a collision before retransmitting a packet

Wireless Settings

Authorization Type: There are different kinds of Authorization types. For the 9258 WiFi the 2 main types are Open System & Shared Key.

Open System ▼

- Open System
- Shared Key

Encryption Type: There is one basic password encryption available and that is WEP

Default Key ID: The default Key ID how the 9258 WiFi connects with the router.

WEP Key ID 1-4: WEP Key ID is the password being used to access the wireless capabilities.

PPPOE Settings

PPPoE

Configuration

Enable PPPoE: Yes ☐ No ☒

User Name:

Password:

Email Notification when IP is changed: Yes ☐ No ☒

Status

IP address:	0.0.0.0
Default router:	0.0.0.0
Primary DNS server:	0.0.0.0
Secondary DNS server:	0.0.0.0
Connection State:	Disabled

If you use DSL or ADSL and need to enter the PPPoE for the 9258 Wifi to connect to the internet:

- 1.) Enable the PPPoE settings
- 2.) Type in the username and password

3.) Hit the save button

If E-mail notification is necessary when IP has changed select Yes in that section.

Date & Time

Date & Time Settings

Current Server Time			
Date:	2009-01-20	Time:	17:12:27
Time Zone			
GMT+08 (Beijing, Hong Kong, Shanghai, Taipei, Taiwan) ▼			
Time Mode			
NTP server 1:		pool.ntp.org	
NTP server 2:		pool.ntp.org	
Update Server Time			
Synchronize with computer time		Update	
Date:	2009-01-20	Time:	17:12:13
Set manually		Update	
Date:	2009-01-20	Time:	17:12:25
Save Reset			

The Date and time section, is where you can set the time and date of the 9258 Wifi. There are four sections:

Current Server Time

This displays the current time of the 9258 Wifi

Time Zone

Displays the time zone of the country that you reside in.

Time Mode

The NTP Server allows the 9258 WiFi to check with a NTP (Network Time Protocol) to constantly keep the internal clock of the device updated.

Update Server Time

To manually update the Server time, type in the current time then hit the save button.

Save

Advance Configuration

Maintenance

Maintenance

Maintain Server	
Restart	Restart the 9258 WIFI Device.
Restore	Resets all parameters, except the IP parameters, to the original factory settings.
Default	Resets all parameters to the original factory settings.
Upgrade Server	
Upgrade the 9258WIFI with the latest firmware.current version 1.00 [2009-01-20]	
Specify the firmware to upgrade to:	Browse... and click Upgrade
Note: Do not disconnect power to the unit during the flash upgrade. The unit restarts automatically after the upgrade has completed. (1-10 minutes.)	

The Maintenance section has two sections

Maintain Server

Maintenance

Maintain Server

- Restart** Restart the 9258 WIFI Device.
- Restore** Resets all parameters, except the IP parameters, to the original factory settings.
- Default** Resets all parameters to the original factory settings.

This section of the 9258 WiFi allows you to

Restart: Restarts the 9258 WiFi devices

Restore: Resets all parameters, except the IP parameters, to the original factory settings

Default: Resets all parameters to the original factory settings

Upgrade Server

Upgrade Server

Upgrade the 9258WIFI with the latest firmware.current version 1.00 [2009-01-20]

Specify the firmware to upgrade to: **Browse...** and click

Upgrade

Note: Do not disconnect power to the unit during the flash upgrade. The unit restarts automatically after the upgrade has completed. (1-10 minutes.)

To upgrade the 9258 Wifi:

- 1.) Hit the brose button and search for the upgrade file.
- 2.) Hit the upgrade button and follow the directions carefully.

DDNS

Dynamic DNS Setting

Dynamic DNS

Choose Server

DNS Account

User Name

Password

Manual Update

Status

Save

Reset

The DDNS section allows you to setup the 9258 WiFi with a DDNS server (i.e. www.dyndns.com). After the server has been setup correctly, enter the necessary information into the 9258 WiFi DDNS settings.

IP Server & CNT

The IP Server & CNT functions allow the device to be easily accessed on the internet. With this feature anyone can find there device with no problems.

IPSERVICE (Get internet ip through ip service)

IPService Settings

☒ IPService Enable

IPService server address:

Status:

IP Server: Allows you can find your 9258 WiFi on the internet without having to remember long IP Addresses. Instead you can just remember the name of your device.

The Default IP Server Address is: 220.135.169.136



CNT Service(Cross Network Technology)

CNT Service Settings

☒ Enable CNT Service

CNT Server Address:

Status:

CNT allows the device to easily be accessed on the internet, you no longer have to port forward your device to be able to use it. Only some devices are CNT compatible.

The Default IP Server Address is: 61.59.37.154

Email

Email Settings

E-mail 1

Mail Server:

From E-Mail address:

To E-Mail address:

Authentication: Yes ☐ No ☒

User Name:

Password:

E-mail 2

Mail Server:

From E-Mail address:

To E-Mail address:

Authentication: Yes ☐ No ☒

User Name:

Password:

¹ Mandatory fields. If these are not set, no mail can be sent.

² If a host name is used, a valid DNS server must be specified in the TCP/IP network settings.

The email function allows you to send emails for notification purposes. The 9258 WiFi allows you to setup up to 2 separate E-mails just in case one is down. Both E-mails will be sending notification E-mails

Mail Server: The mail server is the field where you will enter the outgoing

From E-Mail Address: This is the senders Email Address

Authentication: If the mail server needs to be authenticated make sure the yes is checked in

User Name: Login for the E-mail address

Password: Password for the E-mail address.

Blacklist

Black List

Index Command Blacklisted IP

Index	Command	Blacklisted IP
-------	---------	----------------

Delete All

Black List Settings		Disable Enable	
Index :		Blacklisted IP : From	. . . To . . .
Add		Remove	Submit Cancel

Login IP Address : 192.168.1.33

Message :

The Blacklist allows you to block certain range groups of IP Address. By doing this these blocked IP Addresses will not be able to access your device at all.

Blocking an IP Address

- 1.) First hit the Add button to start the process.
- 2.) Then type the blacklisted IP Address.

Add

Black List Settings		Disable ☒ Enable	
Index :		Blacklisted IP : From	. . . To . . .

- 3.) Then hit the submit button
- 4.) You will then see the newly added IP Address in the Black List .

Submit

Black List

Index	Command	Blacklisted IP
01	Enable	192.168. 7. 10 ~ 192.168. 7. 10

Removing an IP Address

To remove an IP Address:

Black List

Index	Command	Blacklisted IP
01	Enable	192.168. 7. 10 ~ 192.168. 7. 10
02	Enable	192.168. 1.100 ~ 192.168. 1.100

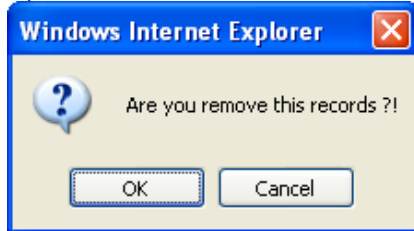
Delete All

Black List Settings		☐ Disable ☒ Enable	
Index :	02	Blacklisted IP : From	192 . 168 . 1 . 100 To 192 . 168 . 1 . 100
		Add	Remove 2.)
		Submit	Cancel

Login IP Address : 192.168.1.33

Message :

- 1.) Click on the IP Address that you would like to remove.
- 2.) Hit the Remove Button.
- 3.) Reconfirm the Remove and hit Ok.



Information

Information
System
LOG
Http Command
XML Information

The Information section contains the:

System: The System section will provide The basic information on the device including network status and wireless status.

LOG: The log is a log of all the movements that have occurred in the device.

Http Command: HTTP Commands is a command generator and testor

XML Information: XML allows the user to use XML for integrating in different uses.

System

System

System Information	
Firmware Current Version/Date	1.00 [2009-01-20]
Network Status	
Ethernet MAC Address	00-92-60-00-00-38
LAN IP Address	192.168.1.59
LAN Netmask Address	255.255.255.0
LAN Gateway Address	192.168.1.1
DHCP State	Disabled
Wireless Status	
Connection	UP
Channel	2
Signal Level	90%
TX Rate	54Mbps

The system section tells you information about the 9258 Wifi. This is where you will find information on the:

System Information

Firmware Current Version/Date: This will tell you the firmware version of the device.

Network Status

Ethernet MAC Address: The MAC address of the 9258 WiFi will be displayed here

LAN IP Address: IP Address of the 9258 WiFi

LAN Netmask Address: This will show the subnet Mask of the 9258 WiFi

LAN Gateway Address: This information will provide the gateway information.

DHCP State: The DHCP state will notify the state of the 9258 WiFi.

Wireless Status

Connection: Will show you the connection status of the 9258WiFi

Channel: The Channel displays the channel that is being used on WiFi

Signal Level: Signal level will show you the Wireless Signal

TX Rate: Rate of Wireless Transmission

Log

Log Settings

Log Configuration	
Mode	☐ DRAM ☒ FLASH
Flash write time:	60 [1..65535] min
Save	Reset

Log Status	
Time	Status
Page: 1	
001 15:07:40 01/20/2009	admin logout from 192.168.1.21
002 15:07:37 01/20/2009	[test3]: ON ->OFF[manual] from 192.168.1.21
003 15:07:32 01/20/2009	admin login from 192.168.1.21
004 15:05:56 01/20/2009	admin logout from 192.168.1.79
005 15:04:41 01/20/2009	[test3]: OFF->ON [manual] from 192.168.1.79
006 15:04:34 01/20/2009	admin login from 192.168.1.79
007 14:46:31 01/20/2009	DemoWiFi Boot ~
008 14:39:45 01/20/2009	[test2]: ON ->OFF[manual] from http_cmd
009 14:39:45 01/20/2009	[test1]: OFF->ON [manual] from http_cmd
010 11:56:43 01/20/2009	admin login from 192.168.1.33

Clear...	PrevPage..	NextPage..	Save File	e-mail
---	---	---	--	---------------------------------------

Pages : 10, Records : 100

The Log Section collects information on the device. From when someone logged in to what ports were activated. The log can keep up to 100 records.

The most recent log will be the first log in the log.

Save File

Saving the Log: Saving the Log File will allow you to save the current view onto a text file. To accomplish this hit the save file button. A new window will pop out and ask you to save the log in the directory of the computer. A new screen will appear, please save the log carefully.

e-mail

E-mail: Email will E-mail the current log page to the selected receiver mail in the E-mail settings.

Http Command

Http Command Format -

http://IP Address:Port/[Command]

Example : http://192.168.1.59:59/Demo.cgi?start=0

http://name:password@IP Address:Port/[Command]

Example : http://admin:admin@192.168.1.59:59/Demo.cgi?start=0

http://IP Address:Port/[Command]user=name+pass=password+[Parameter]

Example : http://192.168.1.59:59/Demo.cgi?user=admin+pass=admin+start=0

HTTP Command :

Control **Name** **Others**

Command	Parameter	Auth Req.	Allowed User	Action
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= OFF p2= OFF p3= OFF p4= OFF	Yes	Administrator	Run CMD Cmd Syntax
GetPower	None	No	AnyBody	Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [status=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= ON p1= OFF p2= OFF p3= OFF p4= OFF	Yes	Administrator	Run CMD Cmd Syntax
GetStartup	None	No	AnyBody	Run CMD Cmd Syntax

The Http Command section is a very powerful tool in the 9258 WiFi. This section allows you to easily create HTTP Commands to specific commands you are looking for. It also allows you to run commands directly from here.

Control **Name** **Others**

Command	Parameter	Auth Req.	Allowed User	Action
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= OFF p2= OFF p3= OFF p4= OFF	Yes	Administrator	Run CMD Cmd Syntax
GetPower	None	No	AnyBody	Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [status=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= ON p1= OFF p2= OFF p3= OFF p4= OFF	Yes	Administrator	Run CMD Cmd Syntax
GetStartup	None	No	AnyBody	Run CMD Cmd Syntax

Command: The command is the command name

Parameter: Is the parameters that you would like to be used or ran in the command.

Auth Req.: If a password is required

Allowed User: Which user is allowed to use this command

Action:

- Run CMD: Will execute the command you have desired
- Cmd Syntax: Will produce the syntax needed to execute the command manually.

Here are all the available commands

Control	Name	Others
Command	Command	Command
SetPower	SetDeviceName	GetVer
GetPower	GetDeviceName	GetSeries
SetStartup	SetPowerName	Demo.cgi
GetStartup	GetPowerName	

Http Commands Format

Http Command Format -	
http://IP Address:Port/[Command]	
Example :	http://192.168.1.59:59/Demo.cgi?start=0
http://name:password@IP Address:Port/[Command]	
Example :	http://admin:admin@192.168.1.59:59/Demo.cgi?start=0
http://IP Address:Port/[Command]user=name+pass=password+[Parameter]	
Example :	http://192.168.1.59:59/Demo.cgi?user=admin+pass=admin+start=0

On the Top of the Http Commands Section you will find the syntax to submit commands to the device.

View & Run Commands

Create Command Lines

HTTP Command : 3.)

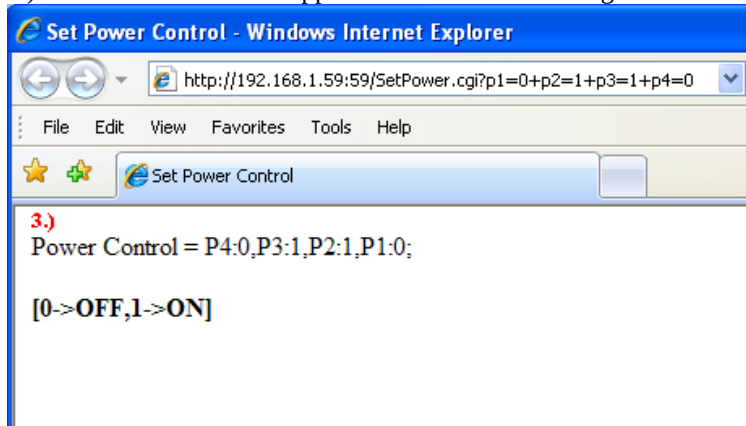
Control	Name	Others
Command	Parameter	Auth Req. Allowed User Action
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= ON p2= ON p3= ON p4= OFF	Yes Administrator Run CMD Cmd Syntax 2.)
GetPower	None	No AnyBody Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [status=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= ON p1= OFF p2= OFF p3= OFF p4= OFF	Yes Administrator Run CMD Cmd Syntax
GetStartup	None	No AnyBody Run CMD Cmd Syntax

- 1.) To Create command Lines select the appropriate settings to achieve the desired commands.
- 2.) Hit the Cmd Syntax link to create the http Command
- 3.) The command line will be created in the HTTP Command section.

Run Command Lines

Control	Name	Others
Command	Parameter	Auth Req. Allowed User Action
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= OFF p2= ON p3= ON p4= OFF 1.)	Yes Administrator Run CMD 2.) Cmd Syntax
GetPower	None	No AnyBody Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [stauts=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= ON p1= OFF p2= OFF p3= OFF p4= OFF	Yes Administrator Run CMD Cmd Syntax
GetStartup	None	No AnyBody Run CMD Cmd Syntax

- 1.) To Create command Lines select the appropriate settings to achieve the desired commands.
- 2.) Hit the Run CMD link Run the command desired.
- 3.) Another window will appear and confirm the settings have been activated.



Please review the section on the Controlling the Device for a list all of all the available commands.

XML Information

XML Settings

XML Configuration

☐ Disable ☒ Enable

Submit

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
- <root>
- <device>
  <Type>9258 WIFI</Type>
  <Name>DemoWIFI[192.168.1.59]</Name>
  <macaddress>009260000038</macaddress>
  <version>Version:1.00</version>
  <series />
  <URL>http://192.168.1.59:59/info.xml</URL>
</device>
- <power_control>
  <dev_name>DemoWIFI</dev_name>
  <port1>test1 - OFF</port1>
  <port2>test2 - OFF</port2>
  <port3>test3 - OFF</port3>
  <port4>test4 - OFF</port4>
</power_control>
</root>
```

The XML function allows you to use XML for programming purposes.
To enable the XML make sure the Enable button has been selected and press submit.

8.) Controlling the Device

CGI HTTP Commands

CGI Commands allow you to easily integrate the 9258 WiFi with other systems and programs.
Please read the instructions carefully on how to use the Http:// Commands

To use http:// Commands open up a web browser and type in the command that you would like to use.

可使用Http Command 指令來對裝置進行動作，或對其他相關功能進行設定

Control

- **SetPower** – Allows you to turn on and off the 9258 WiFi
<http://192.168.1.100:90/SetPower.cgi?p1=1+p2=1+p3=1+p4=1> , OFF=0, ON=1

- **GetPower** – Tells you the current power settings
<http://192.168.1.100:90/GetPower.cgi?>
- **SetStartup** – Sets the Default Startup Value for Ports 1-4
<http://192.168.1.100:90/SetStartup.cgi?status=1+p1=1+p2=0+p3=1+p4=0>
status= 0 is Disable , 1 is Enable
- **GetStartup** – Get the Default Startup Value for Ports 1-4
<http://192.168.1.100:90/GetStartup.cgi?>

Name

- **SetDeviceName** – Set the Device Name
<http://192.168.1.100:90/SetDeviceName.cgi?Name=>
- **GetDeviceName** – Get Device Name
<http://192.168.1.100:90/GetDeviceName.cgi?>
- **SetPowerName** – Set Power Name for Each Outlet
<http://192.168.1.100:90/SetPowerName.cgi?p1=test1+p2=test2+p3=test3+p4=test4>
- **GetPowerName** – Get Power Name
<http://192.168.1.100:90/GetPowerName.cgi?>

Others

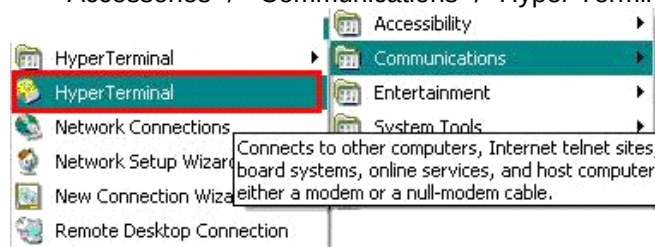
- **GetVer** – Get the Firmware Version of the 9258 WiFi
- **GetSeries** – Get the Serial Number of the 9258 WiFi
- **Demo.cgi** – Sets the 9258 WiFi in Demo Mode
<http://192.168.1.100:90/Demo.cgi?start=0>
<http://192.168.1.100:90/Demo.cgi?stop=1>

Serial Com (RS-232) Control

Serial Port (RS-232)

The Com1 allows you to read the status of the 9258 WiFi. Information can be extracted through this port like an output

- 1.) Use DB9 cable connect to the COM1 of PC and the RS232 of device
- 2.) Execute WIN program "**Hyper Terminal**" : please go to " Start" / "program" / "Accessories" / "Communications" / "Hyper Terminal" .



- 3.) Enter a name and choose an Icon.



4.) Select the correct Com port for your RS-232



5.) Use these settings provided below.

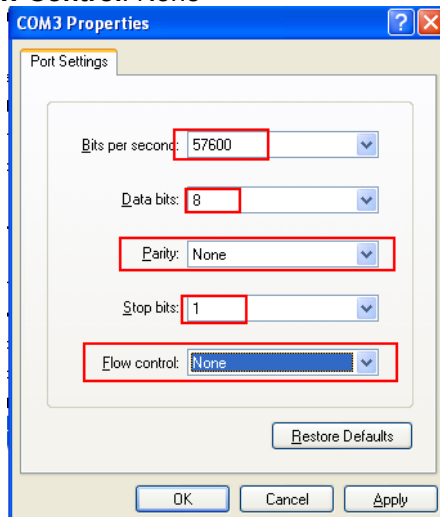
Bits per second: 57600

Data Bits: 8

Parity: None

Stop Bits: 1

Flow Control: None



6.) Then the device will be connected via Rs232. Hit “?” to show a list of all the commands.


```
Telnet 192.168.1.59
login by input username:password
admin:aviosys
user name correct
help

Available Commands:
help ----- Help.
reboot ----- Reset System.
restore ----- Restore System.
show ----- Display System Information.
set ----- Set System Configuration.
default ----- return to system default.
logstatus ----- log status.
logclear ----- log clear.
logmode ----- log mode.
cfg_net_ui_cmd

Ipcam::system>
```

9.) Frequently Asked Questions (F.A.Q)

Q1: How do I reset the device back to manufacturer default values?

Ans: In the front panel of the 9258 WiFi, there is a reset feature that will reset the device back to manufacturer default settings. Take a pen or small pin, then press and hold for about 10-15 seconds. Once you hear a single “beep” sound the device will be reset back to manufacturer default

Default login: admin

Default password: <blank>

Q2: How come I can not connect to my device from an outside network?

Ans: To use the device outside of LAN (Local Area Network. If a router is present you will have to port forward the Local IP Address of the 9258 WiFi so that it could be reached by the outside world. Please refer to the manual on how to accomplish this task.